

Code No: **R42011**

R10

Set No. 1
IV B.Tech II Semester Supplementary Examinations, April - 2018
ESTIMATION SPECIFICATIONS & CONTRACTS
(Civil Engineering)
Time: 3 hours
Max. Marks: 75
Question paper consists of Part-A and Part-B
Answer any THREE questions from Part-A
Answer one question from Part-B

Part-A (3x15=45)

1. a) Define Estimate. What is meant by Detailed Estimate and Abstract Estimate? [8]
 b) Write units of measurement of 10 items which are generally used in buildings. [7]

2. a) Describe the procedure for calculation of rate per unit Cu.m of first Class brick in superstructure with 20x10x10 cm brick with cement sand mortar 1:6. [15]

3. a) Calculate the quantity of earthwork in embankment for a portion of channel with the following data:

Bed width = 3 m
 Free Board = 44 cm
 Slope of dissing = 1:1
 Side slope of banking = 1.5:1
 Full supply depth = 1 m
 Top width of both banks = 1.5 m

Distance m	0	30	60	90	120	150
Ground level in m	225.24	224.8	224.43	224.12	224.50	224.98
Proposed Bed Level (m)	224	223.91	223.88	223.82	223.76	223.70

[15]

4. a) What is valuation? Explain briefly about the methods of valuation. [10]
 b) List out the general conditions of contract in tender document , [5]
5. a) Explain the standard specification of class 'B' type buildings. [15]
 b) Write briefly on salvage value and market value.

Part-B (1x30=30)

6. Explain long wall and short wall method for a two roomed building with on example and estimate the quantities [30]

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7. Explain detailed specification for the following items as shown in figure.1:

- Flooring with cement concrete.
- Pointing to the sub structure.
- Colour Wash to the Walls.
- Damp proof course.

[30]

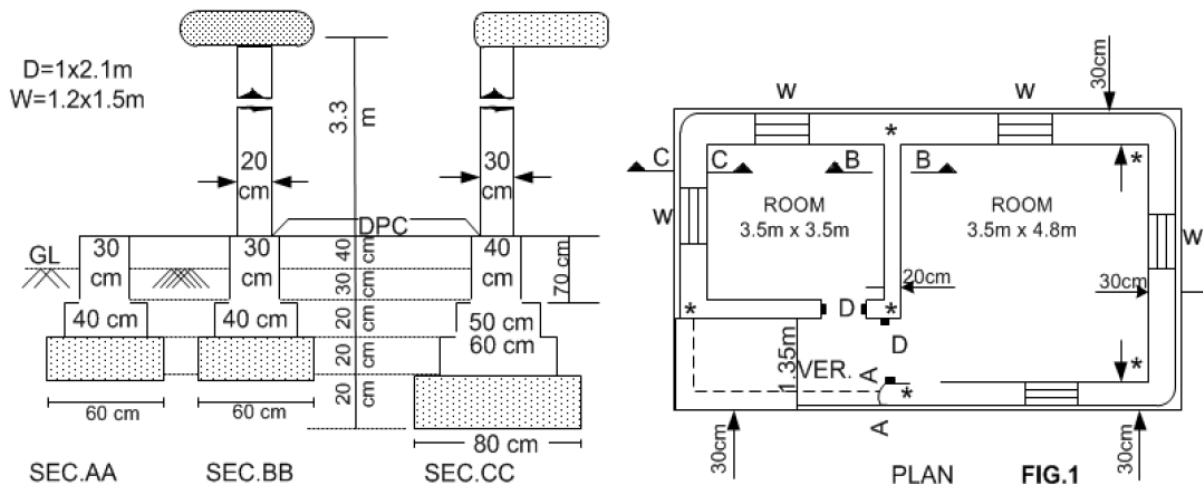


Figure 1